

400 Garden City Plaza
Garden City, New York 11530
(516) 742-4343 - Telephone
(516) 742-4366 - Facsimile
e-mail: intrprop@ssmp.com

**SCULLY, SCOTT, MURPHY
& PRESSER****Fax****OFFICIAL****RECEIVED
CENTRAL FAX CENTER****AUG 03 2004**

To:	Examiner J.A. Garcia Group Art Unit: 2823	From:	Leslie S. Szivos, Ph.D.
Fax:	703-872-9306	Pages:	7 including cover
Phone:		Date:	8/2/2004
Re:	Cyril Cabral, Jr., et al. U.S. Patent Appln. No. 10/643,534 Our Docket: YOR920030194US1 (16695)	CC:	

XX Urgent ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Dear Sir:

The following is attached hereto:

1. Amendment Transmittal in duplicate
2. Response under 37 CFR 1.111 and 1.143
3. Certificate of Facsimile

CONFIDENTIALITY: The documents accompanying this facsimile transmission may contain information which is either confidential or legally privileged and is intended only for the authorized use of the individual or entity named above without right or publication or republication, dissemination or disclosure except as expressly set forth or established by course of dealing. All rights are reserved. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or use of the contents of this facsimile is prohibited. If you received this transmission in error, please notify us immediately by telephone to arrange for return of the documents.

If you have any problems concerning this facsimile, please call (516) 742-4343 and ask for Susan Formicola at Ext 511.

CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)Applicant(s): **Cyril Cabral, Jr., et al.**

Docket No.

YOR920030194US1 (16695)

Application No.

10/643,534

Filing Date

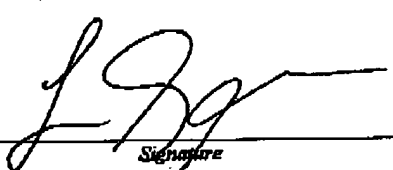
8/19/2003

Examiner

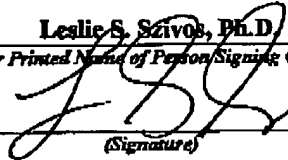
J.A. Garcia

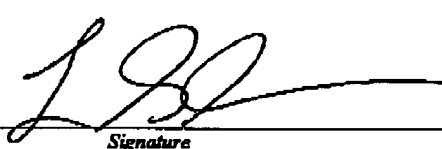
Group Art Unit

2823Invention: **ATOMIC LAYER DEPOSITION OF METALLIC CONTACTS, GATES AND DIFFUSION BARRIERS**I hereby certify that this **RESPONSE UNDER 37 CFR 1.111 AND 1.143***(Identify type of correspondence)*is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. **703-872-9306**)on **August 3, 2004***(Date)***Leslie S. Sziyos, Ph.D.***(Typed or Printed Name of Person Signing Certificate)**(Signature)***Note: Each paper must have its own certificate of mailing.**

AMENDMENT TRANSMITTAL LETTER (Large Entity)				Docket No. YOR920030194US1 (16695)	
Applicant(s): Cyril Cabral Jr., et al.					
Application No. 10/643,534	Filing Date 8/19/2003	Examiner J.A. Garcia	Customer No. 23389	Group Art Unit 2823	Confirmation No. 4259
Invention: ATOMIC LAYER DEPOSITION OF METALLIC CONTACTS, GATES AND DIFFUSION BARRIERS					
<u>COMMISSIONER FOR PATENTS:</u>					
Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	30	30	0 x	\$18.00	\$0.00
INDEP. CLAIMS	3	3	0 x	\$86.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00
<p><input checked="" type="checkbox"/> No additional fee is required for amendment.</p> <p><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____</p> <p><input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 50-0510/IBM</p> <p><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.</p> <p><input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.</p>					
 _____ Signature			Dated: August 3, 2004		
Leslie S. Szivos, Ph.D. Registration No. 39,394			<div style="border: 1px solid black; padding: 5px;"> I certify that this document and fee is being deposited on 8/3/2004 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22312-1450. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> _____ Signature of Person Mailing Correspondence Leslie S. Szivos, Ph.D. Typed or Printed Name of Person Mailing Correspondence </div>		
CC:					

P11LARGE/REV07

CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)			Docket No. YOR920030194US1 (16695)
Applicant(s): Cyril Cabral, Jr., et al.			
Application No. 10/643,534	Filing Date 8/19/2003	Examiner J.A. Garcia	Group Art Unit 2823
Invention: ATOMIC LAYER DEPOSITION OF METALLIC CONTACTS, GATES AND DIFFUSION BARRIERS			
<p>I hereby certify that this <u>RESPONSE UNDER 37 CFR 1.111 AND 1.143</u> (Identify type of correspondence)</p> <p>is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>703-872-9306</u>)</p> <p>on <u>August 3, 2004</u> (Date)</p> <p style="text-align: center;"><u>Leslie S. Szivos, Ph.D.</u> (Typed or Printed Name of Person Signing Certificate)</p> <p style="text-align: center;"><u></u> (Signature)</p> <p style="text-align: center;">Note: Each paper must have its own certificate of mailing.</p>			

AMENDMENT TRANSMITTAL LETTER (Large Entity)					Docket No. YOR920030194US1 (16695)	
Applicant(s): Cyril Cabral Jr., et al.						
Application No. 10/643,534	Filing Date 8/19/2003	Examiner J.A. Garcia	Customer No. 23389	Group Art Unit 2823	Confirmation No. 4259	
Invention: ATOMIC LAYER DEPOSITION OF METALLIC CONTACTS, GATES AND DIFFUSION BARRIERS						
<u>COMMISSIONER FOR PATENTS:</u>						
Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below.						
CLAIMS AS AMENDED						
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE	
TOTAL CLAIMS	30 -	30 =	0 x	\$18.00	\$0.00	
INDEP. CLAIMS	3 -	3 =	0 x	\$88.00	\$0.00	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00	
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00	
<p><input checked="" type="checkbox"/> No additional fee is required for amendment.</p> <p><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____</p> <p><input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 50-0510/IBM</p> <p><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.</p> <p><input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.</p>						
 Signature			Dated: August 3, 2004			
Leslie S. Szivos, Ph.D. Registration No. 39,394			I certify that this document and fee is being deposited on 8/3/2004 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
cc:			Signature of Person Mailing Correspondence Leslie S. Szivos, Ph.D. Typed or Printed Name of Person Mailing Correspondence			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**Applicant(s):** Cyril Cabral Jr., et al.**Examiner:** J.A. Garcia**Serial No:** 10/643,534**Art Unit:** 2823**Filed:** August 19, 2003**Docket:** YOR920030194US1 (16695)**For:** ATOMIC LAYER DEPOSITION OF
METALLIC CONTACTS, GATES AND
DIFFUSION BARRIERS**Dated:** August 3, 2004**Confirmation No.:** 4259Commissioner for Patents
United States Patent Office
Alexandria, VA 23313-1450RECEIVED
CENTRAL FAX CENTER
AUG 03 2004**RESPONSE UNDER 37 C.F.R. §§1.111 AND 1.143**

Sir:

In response to the Office Action dated July 26, 2004, applicants provisionally elect, without traverse, the subject matter of Group I, i.e., Claims 1-22 for continued prosecution in the above-identified patent application.

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Dated: August 3, 2004
Leslie S. Szivos, Ph.D.